

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	8228	blow\$3 adj film	US-PGPUB; USPAT	OR	ON	2009/05/12 12:33
S2	8228	blow\$3 adj film	US-PGPUB; USPAT	OR	ON	2009/05/12 12:34
S3	103353	temperature adj control	US-PGPUB; USPAT	OR	ON	2009/05/12 12:34
S4	630	S2 and S3	US-PGPUB; USPAT	OR	ON	2009/05/12 12:34
S5	9755	blow\$3 near film	US-PGPUB; USPAT	OR	ON	2009/05/12 12:36
S6	530	S5 with multilayer	US-PGPUB; USPAT	OR	ON	2009/05/12 12:36
S7	59	S6 and S3	US-PGPUB; USPAT	OR	ON	2009/05/12 12:36
S8	30	("3321803"   "3345690"   "3497582"   "3649143"   "4102603"   "4111630"   "4120633"   "4167383"   "4182603"   "4185954"   "4305902"   "4522775"   "4563147"   "4578025"   "4649004"   "4657497"   "4798526"   "4832589"   "4867664"   "4889477"   "5069612"   "5076776").PN. OR ("5779959").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 12:39
S9	505	blow\$3 adj film with multilayer	US-PGPUB; USPAT	OR	ON	2009/05/12 12:45
S10	698	blow\$3 adj film with (multilayer or multi adj layers or multiple near2 layers)	US-PGPUB; USPAT	OR	ON	2009/05/12 12:46
S11	131	S10 and control near3 temperature	US-PGPUB; USPAT	OR	ON	2009/05/12 12:46

S12	26	("2820249"   "3321803"   "3565985"   "3756758"   "4125585"   "4167383"   "4669965"   "4715803"   "4772195"   "4798526"   "4889477"   "5035596"   "5076776"   "5292472"   "5690972"   "5723157"   "5762971").PN. OR ("6000926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 12:59
S13	26	("2820249"   "3321803"   "3565985"   "3756758"   "4125585"   "4167383"   "4669965"   "4715803"   "4772195"   "4798526"   "4889477"   "5035596"   "5076776"   "5292472"   "5690972"   "5723157"   "5762971").PN. OR ("6000926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 13:05
S14	14	S10 and (temperature with dies)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 13:05
S15	0	slit with before with after with heat with tape	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 14:56
S16	2	slit with before with after with heat\$3 with tape	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 14:56
S17	31	slit with before with after and magnetic adj tape	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 14:57
S18	30	slit with before with after and magnetic adj tape	US-PGPUB; USPAT	OR	OFF	2009/05/12 14:57
S19	12	("2900868"   "3022165"   "3269278"   "3293099"   "3418185").PN. OR ("3622420").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02
S20	243596	heat adj treat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02
S21	7867	slit with tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02
S22	150	magnetic adj tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02

S23	0	S20 and S21 and S22	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:02
S24	132971	magnetic adj tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:03
S25	0	S20 and S21 and S23	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:03
S26	1824	S21 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:03
S27	3	("20040209121"   "6818298"   "6890646").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:04
S28	8374	divid\$3 with tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:04
S29	2883	S28 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:05
S30	62	S29 and S20	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:05
S31	7867	slit with tape	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:08
S32	1824	S31 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:08
S33	469	S32 and S20	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/12 15:09
S34	6	S33 and slit with (mandrels or cores or hubs)	US-PGPUB; USPAT; USOCR	OR	OFF	2009/05/12 15:09
S35	2	"US 20070187856"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/07/22 09:56
S36	1	2005-386276.NRAN.	DERWENT	OR	ON	2009/07/22 09:56
S37	1	"2002079576"	JPO	OR	ON	2009/07/22 10:12
S38	43	("3321803"   "3649143"   "4111630"   "4120633"   "4182603"   "4185954"   "4657497"   "4798526"   "4832589"   "4867664").PN. OR ("5069612").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:13

S39	13	("4472129"   "4519863"   "4522775"   "4533308"   "4578025"   "4657497"   "4798526"   "4832589"   "4889477"   "5034179"   "5069612"   "5393216").PN. OR ("6305922").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:15
S40	30	("3059277"   "3122790"   "3186033"   "3337914"   "3349437"   "3422493"   "3471899"   "3539666"   "3599286"   "3841816"   "3902832"   "3932103"   "4003972"   "4069282"   "4201532"   "4236884"   "4938674"   "5069612"   "5538411"   "6241502"   "6533570"   "6619942").PN. OR ("7195471").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:17
S41	783	(multilayer or multi adj layer) with (blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:38
S42	838	(multilayer\$2 or multi adj layer) with (blow\$3 adj film or film adj blow \$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:38
S43	864	(multilayer\$2 or multi adj layer\$2) with (blow \$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:38
S45	322	S43 same die	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 10:38
S46	28	S43 and cartridge	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 11:00
S47	4	"2002079576"	JPO; DERWENT	OR	ON	2009/07/22 11:29
S48	1	2002-684672.NRAN.	DERWENT	OR	ON	2009/07/22 11:45
S49	2	"US 20070187856"	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/07/22 12:56
S50	1	2005-386276.NRAN.	DERWENT	OR	ON	2009/07/22 12:56

S51	339364	control\$4 with temperature	JPO; DERWENT	OR	ON	2009/07/22 12:57
S52	0	S51 and (blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 12:58
S53	538300	control\$4 with temperature	US-PGPUB; USPAT	OR	ON	2009/07/22 12:58
S54	3077	S53 and (blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT	OR	ON	2009/07/22 12:58
S55	274	264/514.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/22 12:59
S56	192	264/565.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/22 13:08
S57	17	("3142092"   "3337663"   "3622657"   "3655846"   "3702224"   "3819776"   "3886243"   "3976410"   "4003973"   "4203942").PN. OR ("5593703").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:10
S58	26	S54 and chamber with mandrel	US-PGPUB; USPAT	OR	ON	2009/07/22 13:24
S59	40	("2944287"   "3008187"   "3099860"   "3187982"   "3223761"   "3281897"   "3349437"   "3469282"   "3520966"   "3548042").PN. OR ("3966861").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:25
S60	9872	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT	OR	ON	2009/07/22 13:30
S61	2	S60 and nozzle with bubble with mandrel	US-PGPUB; USPAT	OR	ON	2009/07/22 13:30
S62	110	264/560.ccls.	US-PGPUB; USPAT	OR	ON	2009/07/22 13:31
S63	12	("3142092"   "3412189"   "3796781"   "3819776"   "3857917").PN. OR ("4062916").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:38
S64	0	S60 and plenum with mandrel	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:43
S65	10	S60 and (plenum or mandrel) with valve	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:43
S66	6399	heat\$3 with air with bubble	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:44
S67	133	S60 and S66	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:44

S68	106302	heat\$3 adj air	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:54
S69	13724	heat\$3 adj air with blow \$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:54
S70	95	S69 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:54
S71	6330	bubble adj air	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:57
S72	332	S71 with heat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 13:58
S73	72628	heat\$3 with air with (chamber or plenum or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:09
S74	138	S73 and (blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:09
S75	13966	control\$4 with temperature with air with (plenum or chamber or manifold)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:12
S76	35	S75 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:14
S77	1	"5951926".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:20
S78	151	264/560.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:38
S79	19322	(plenum or chamber or manifold) with die	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:40
S80	590	S79 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:40
S81	245	264/565.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 14:42
S82	10112	cool\$3 with bubble	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:02
S83	713	S82 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:02
S84	58	S60 and water with spray\$3 and water with flow\$3 and air with cool \$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:11
S85	1	"4115047".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:14
S86	9	(spray\$3 same water same blow\$3 same film).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:14
S87	19899	(spray\$3 with water with cool\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:16
S88	189	S87 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:16

S89	4906	other with cooling	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:16
S90	11196	264/501-570.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:20
S91	435	S90 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:21
S92	21	S91 and spray\$3 with water	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:21
S93	7780	blown adj film	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:22
S94	12	S93 and spray\$3 with water with cool	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:22
S95	2	"09109274"	JPO; DERWENT	OR	ON	2009/07/22 15:24
S96	64	combination with cooling with mechanism	JPO; DERWENT	OR	ON	2009/07/22 15:38
S97	429	combination with cooling with mechanism	US-PGPUB; USPAT	OR	ON	2009/07/22 15:38
S98	3	S97 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 15:38
S99	951	cool\$3 with film with air with water	US-PGPUB; USPAT	OR	ON	2009/07/22 15:39
S100	124	S99 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 15:39
S101	24	("3908070"   "4438180"   "4448792"   "4450028"   "4457960").PN. OR ("4525414").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:48
S102	0	cool\$3 with combination with known with methodsa	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:48
S103	185	cool\$3 with combination with known with methods	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:48
S104	2	S103 and S60	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:48
S105	1513	S60 and known adj method	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:52
S106	51	S60 and known adj method with cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:52
S107	77	S60 and combination near3 cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:57
S108	103	S60 and combin\$5 near3 cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/22 15:57

S109	823	cool\$3 with combination with techniques	US-PGPUB; USPAT	OR	ON	2009/07/22 16:11
S110	11	S109 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 16:12
S111	1219	cool\$3 with air with water with combination	US-PGPUB; USPAT	OR	ON	2009/07/22 16:14
S112	1658	cool\$3 with air with water with combin\$5	US-PGPUB; USPAT	OR	ON	2009/07/22 16:14
S113	8	S112 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 16:14
S114	14	cool\$3 with "and" adj "or"	US-PGPUB; USPAT	OR	ON	2009/07/22 16:17
S115	76315	cool\$3 with "and/or"	US-PGPUB; USPAT	OR	ON	2009/07/22 16:18
S116	13881	cool\$3 with "and/or" with air	US-PGPUB; USPAT	OR	ON	2009/07/22 16:18
S117	114	S116 and S60	US-PGPUB; USPAT	OR	ON	2009/07/22 16:18
S118	0	S60 and annular adj ring same air with heat adj exchanger	US-PGPUB; USPAT	OR	ON	2009/07/22 16:53
S119	18	S60 and cool\$3 with air with heat adj exchanger	US-PGPUB; USPAT	OR	ON	2009/07/22 16:53
S120	2	cartridge adj heater with electric\$ adj coil	US-PGPUB; USPAT	OR	ON	2009/07/22 16:56
S121	1	"5575941".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 16:59
S122	117	cartridge adj heater with coil	US-PGPUB; USPAT	OR	ON	2009/07/22 17:00
S123	22	S60 and cartridge adj heater	US-PGPUB; USPAT	OR	ON	2009/07/22 17:02
S124	1	"5069612".pn.	US-PGPUB; USPAT	OR	ON	2009/07/22 17:07
S125	43	coil with heating adj cartridge	US-PGPUB; USPAT	OR	ON	2009/07/22 17:10
S126	0	cartridge adj heater with electric adj coil	US-PGPUB; USPAT	OR	ON	2009/07/23 11:12
S127	2	cartridge adj heater with electric\$2 adj coil	US-PGPUB; USPAT	OR	ON	2009/07/23 11:14
S128	3339	air with cool\$3 with die	US-PGPUB; USPAT	OR	ON	2009/07/23 11:38
S129	9881	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT	OR	ON	2009/07/23 11:39
S130	0	air with cool\$3 with die3 and S129	US-PGPUB; USPAT	OR	ON	2009/07/23 11:39



S131	620	air with cool\$3 with die and S129	US-PGPUB; USPAT	OR	ON	2009/07/23 11:39
S132	33	S129 and control\$5 with temperature with die with air	US-PGPUB; USPAT	OR	ON	2009/07/23 11:45
S133	620	S129 and cool\$3 with die with air	US-PGPUB; USPAT	OR	ON	2009/07/23 11:51
S134	120	S129 and cool\$3 with die with air with annular	US-PGPUB; USPAT	OR	ON	2009/07/23 11:51
S135	5	S129 and control\$5 with temperature with die with fluid	US-PGPUB; USPAT	OR	ON	2009/07/23 11:56
S136	1	"4246212".pn.	US-PGPUB; USPAT	OR	ON	2009/07/23 11:57
S137	3	S129 and control\$5 with temperature with die with gas	US-PGPUB; USPAT	OR	ON	2009/07/23 11:59
S138	339	S129 and control\$5 with temperature with die	US-PGPUB; USPAT	OR	ON	2009/07/23 12:02
S139	203	S138 and (multilayer or multi adj layer)	US-PGPUB; USPAT	OR	ON	2009/07/23 12:02
S140	13	("4472129"   "4519863"   "4522775"   "4533308"   "4578025"   "4657497"   "4798526"   "4832589"   "4889477"   "5034179"   "5069612"   "5393216").PN. OR ("6305922").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 12:56
S141	59	("2893056"   "3039142"   "3308508"   "3345690"   "3611495"   "3635624"   "3694292"   "3802826"   "3949042"   "4044086"   "4047868"   "4056344"   "4144011"   "4280801"   "4344907"   "4365949"   "4421465"   "4436778"   "4472129"   "4484883"   "4522775"   "4578025").PN. OR ("4798526").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 13:55

S142	22	("3802826"   "3809515"   "3890083"   "4522775"   "4687430"   "4798526"   "5069612"   "5076776"   "5393216"   "5460772"   "5538411").PN. OR ("5690972").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:01
S143	7	("4167383"   "4185954"   "5069612"   "5076776"   "5690972"   "5738881"   "5984657").PN. OR ("6702563").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:03
S144	0	S129 and extru\$ with upward\$3 with downward \$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S145	400	S129 and extru\$ with upward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S146	0	S129 and extru\$ same upward\$3 with downward \$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S147	0	S129 and pward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S148	0	S129 and upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S149	258	S129 and upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S150	370331	S129 and extru\$3 upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S151	62	S129 and extru\$3 with upward\$3 with downward\$3	US-PGPUB; USPAT	OR	ON	2009/07/23 14:41
S152	5	("3809515"   "5393216"   "5690972"   "5716650"   "5738881").PN. OR ("7097441").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:46
S153	22	("3802826"   "3809515"   "3890083"   "4522775"   "4687430"   "4798526"   "5069612"   "5076776"   "5393216"   "5460772"   "5538411").PN. OR ("5690972").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:47

S154	35	("3026565"   "3122788"   "3146495"   "3241503").PN. OR ("3809515").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/23 14:53
S155	900	feedback with air with cool\$3	US-PGPUB; USPAT	OR	ON	2009/07/24 11:45
S156	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:45
S157	5	S155 and S156	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:45
S158	1533	radiation adj thermometer	US-PGPUB; USPAT	OR	ON	2009/07/24 11:50
S159	40	S158 and heat adj exchanger	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S160	22	S159 and air with cool \$3	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S161	22	S160 and S158	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S162	8329	blow\$3 adj film	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S163	1	S160 and S162	US-PGPUB; USPAT	OR	ON	2009/07/24 11:51
S164	31	("3122784"   "3122790"   "3212127"   "3261893"   "3341388"   "3775035"   "3819775"   "3835209"   "4209475"   "4339403"   "4711747"   "4781562"   "4955802"   "5110518"   "5116211"   "5281375"   "5310329"   "5322431").PN. OR ("5468134").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:54
S165	0	S164 and thermometer	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:54
S166	279	S162 and thermometer	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55
S167	28	infrared with feedback with cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55
S168	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55
S169	0	S167 and S168	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55
S170	1512	S168 and infrared	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:55

S171	139	S170 and heat adj exchanger	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:56
S172	0	S168 and feedback with thermometer	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:58
S173	33	S168 and feedback with temperature	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 11:58
S174	31	S168 and air with heat adj exchanger	US-PGPUB; USPAT	OR	ON	2009/07/24 12:06
S175	7	(radiation or infrared) adj thermometer with (flow or flow adj rate or flowrate) with air	US-PGPUB; USPAT	OR	ON	2009/07/24 12:11
S176	92	(radiation or infrared) adj thermometer same2 (flow or flow adj rate or flowrate) with air	US-PGPUB; USPAT	OR	ON	2009/07/24 12:11
S177	2	S176 and S168	US-PGPUB; USPAT	OR	ON	2009/07/24 12:11
S178	19	dewater\$3 with adjust \$3 with height	US-PGPUB; USPAT	OR	ON	2009/07/24 13:44
S179	783	dewater\$3 with adjust \$3	US-PGPUB; USPAT	OR	ON	2009/07/24 13:45
S180	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 13:45
S181	12	S179 and S180	US-PGPUB; USPAT	OR	ON	2009/07/24 13:45
S182	24552	dewater\$3	US-PGPUB; USPAT	OR	ON	2009/07/24 13:47
S183	164	S182 and S180	US-PGPUB; USPAT	OR	ON	2009/07/24 13:47
S184	14	S183 and "264".clas.	US-PGPUB; USPAT	OR	ON	2009/07/24 13:47
S185	17020	air adj knife	US-PGPUB; USPAT	OR	ON	2009/07/24 13:48
S186	1272	air adj knife with water	US-PGPUB; USPAT	OR	ON	2009/07/24 13:48
S187	81	S180 and S186	US-PGPUB; USPAT	OR	ON	2009/07/24 13:48
S188	352	dewater\$3 with film	US-PGPUB; USPAT	OR	ON	2009/07/24 13:53
S189	2	S188 and S180	US-PGPUB; USPAT	OR	ON	2009/07/24 13:53
S190	0	dewater\$3 with blow\$3 adj film	JPO; DERWENT	OR	ON	2009/07/24 13:54
S191	2	dewater\$3 same blow \$3 adj film	JPO; DERWENT	OR	ON	2009/07/24 13:54

S192	1194	S180 and remov\$3 near2 water	US-PGPUB; USPAT	OR	ON	2009/07/24 13:58
S193	197	S180 and remov\$3 near2 water same cool \$3	US-PGPUB; USPAT	OR	ON	2009/07/24 13:58
S194	31	dewater\$3 near4 bubble	US-PGPUB; USPAT	OR	ON	2009/07/24 14:04
S195	214	S180 and doctor adj blade	US-PGPUB; USPAT	OR	ON	2009/07/24 14:04
S196	1154	scrap\$3 near2 water	US-PGPUB; USPAT	OR	ON	2009/07/24 14:07
S197	5	S196 and S180	US-PGPUB; USPAT	OR	ON	2009/07/24 14:07
S198	24	("3908070"   "4438180"   "4448792"   "4450028"   "4457960").PN. OR ("4525414").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 14:09
S199	2419	push\$3 adj ring	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 14:16
S200	1	S199 and S180	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 14:16
S201	4542	adjust\$3 with cool\$3 with time	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 16:34
S202	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 16:35
S203	15	S201 and S202	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 16:35
S204	941	adjust\$3 with distance with cool\$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:37
S205	6	S204 and S202	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:37
S206	595	adjust\$3 with cool\$3 with height	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:40
S207	21	S206 and S202	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:41
S208	43	("3092874"   "3286302"   "3307218"   "3596321"   "3749540"   "3990824"   "4101614").PN. OR ("4189288").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/24 17:42
S209	1025	die with split with two	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:32
S210	10308	(blow\$3 adj film or film adj blow\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:32
S211	11	S209 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:32

S212	59	("2893056"   "3039142"   "3308508"   "3345690"   "3611495"   "3635624"   "3694292"   "3802826"   "3949042"   "4044086"   "4047868"   "4056344"   "4144011"   "4280801"   "4344907"   "4365949"   "4421465"   "4436778"   "4472129"   "4484883"   "4522775"   "4578025").PN. OR ("4798526").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:40
S213	30	("3321803"   "3345690"   "3497582"   "3649143"   "4102603"   "4111630"   "4120633"   "4167383"   "4182603"   "4185954"   "4305902"   "4522775"   "4563147"   "4578025"   "4649004"   "4657497"   "4798526"   "4832589"   "4867664"   "4889477"   "5069612"   "5076776").PN. OR ("5779959").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:44
S214	437	die with halves with cool \$3	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:47
S215	8	S214 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:47
S216	59	("2893056"   "3039142"   "3308508"   "3345690"   "3611495"   "3635624"   "3694292"   "3802826"   "3949042"   "4044086"   "4047868"   "4056344"   "4144011"   "4280801"   "4344907"   "4365949"   "4421465"   "4436778"   "4472129"   "4484883"   "4522775"   "4578025").PN. OR ("4798526").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:52

S217	63	( "2820249"   "3026565"   "3122788"   "3146495"   "3241503"   "3308508"   "3321803"   "3418687"   "3649143"   "3689192"   "3802826"   "3809515"   "3890083"   "3932102"   "4042661"   "4111630"   "4167383"   "4182603"   "4185954"   "4201532"   "4203715"   "4224272"   "4268239"   "4279851"   "4403934"   "4484883"   "4492549"   "4518343"   "4522775"   "4578025"   "4626187"   "4657497"   "4687430"   "4738611"   "4798526"   "4832589"   "4846658"   "4889477"   "4931237"   "5034179"   "5045254"   "5069612"   "5076776"   "5262109"   "5393216").PN. OR ("5716650").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 10:55
S218	63	( "2820249"   "3026565"   "3122788"   "3146495"   "3241503"   "3308508"   "3321803"   "3418687"   "3649143"   "3689192"   "3802826"   "3809515"   "3890083"   "3932102"   "4042661"   "4111630"   "4167383"   "4182603"   "4185954"   "4201532"   "4203715"   "4224272"   "4268239"   "4279851"   "4403934"   "4484883"   "4492549"   "4518343"   "4522775"   "4578025"   "4626187"   "4657497"   "4687430"   "4738611"   "4798526"   "4832589"	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:07

		"4846658"   "4889477"   "4931237"   "5034179"   "5045254"   "5069612"   "5076776"   "5262109"   "5393216").PN. OR ("5716650").URPN.				
S219	424	air with die with halves	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:08
S220	10	S219 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:08
S221	1977	(mitsubishi and heavy and industries).as.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:10
S222	1	S221 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:10
S223	1	"4798526".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:24
S224	292	cool\$3 with air with die with (channel or passage)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:28
S225	42	S224 and S210	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:28
S226	13	("2626427"   "3307219"   "3520966"   "3649143"   "3694292"   "4111630"   "4525131").PN. OR ("4605365").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:36
S227	70328	(air or fluid) with annular with (channel or bore or passage)	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 11:39
S228	38607	(air or fluid) with annular with (channel or bore or passage)	US-PGPUB; USPAT	OR	ON	2009/07/27 11:39
S229	63	S228 and S210	US-PGPUB; USPAT	OR	ON	2009/07/27 11:39
S230	1	"20070190195"	DERWENT	OR	ON	2009/07/27 11:47
S231	1	2007-774238.NRAN.	DERWENT	OR	ON	2009/07/27 11:47
S232	1	"5716650".pn.	DERWENT	OR	ON	2009/07/27 11:49
S233	1	"5716650".pn.	US-PGPUB; USPAT	OR	ON	2009/07/27 11:49
S234	1	"6601819".pn.	US-PGPUB; USPAT	OR	ON	2009/07/27 12:06



S235	10507	(fluid or air) same annular same (passage or channel)	JPO; DERWENT	OR	ON	2009/07/27 12:06
S236	19	S235 and (blow\$3 adj film or film adj blow\$3)	JPO; DERWENT	OR	ON	2009/07/27 12:07
S237	314	circulat\$3 with cool\$3 with (fluid or air) with die	US-PGPUB; USPAT	OR	ON	2009/07/27 12:09
S238	28	S237 and S210	US-PGPUB; USPAT	OR	ON	2009/07/27 12:09
S239	17	("2876497"   "3331103"   "3769379"   "3920782"   "3936417"   "3950118"   "4216253"   "4359439"   "4663107"   "4664866").PN. OR ("4997616").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/07/27 12:12
S240	6	("3769379").URPN.	USPAT	OR	ON	2009/07/27 12:40
S241	6	("3769379").URPN.	USPAT	OR	ON	2009/07/27 13:12

7/ 27/ 2009 4:30:21 PM

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